BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Improvements and Asphalting to Zee School Road, KNV 1st Stage and Blue Moon Garden in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.**

Estimate Cost: 1999000.00

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-2. Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 152 / Item No. 19.2 / PWD SR 2013-14**	Cum							
	Desilting of Drains								
	Zee School Road		2	160.00	0.45	0.30	43.20		
	KNV 1st Stage								
	Main Road		2	183.00	0.45	0.35	57.65		
	1st Cross Road		2	133.00	0.45	0.35	41.90		
	Blue Moon Garden								
	Main Road		2	115.00	0.45	0.35	36.23		
	Berm Cutting								
	Zee School Road		2	160.00	1.50	0.20	96.00		
	KNV 1st Stage								
	Main Road		2	183.00	1.50	0.20	109.80		
	1st Cross Road		2	133.00	1.50	0.20	79.80		
	Blue Moon Garden								
	Main Road		2	115.00	1.50	0.20	69.00		
							533.57	90.72	**48405.00**
	Basic Rate	84.00							
	Area Weightage @8%	6.72							
	Total	**90.72**							
2	Removing B.S Slab of Drain and stacking **Page No. 28 / Item No. 5.32/ PWD SR 2013-14**	Sqm							
	Zee School Road		2	80.00		1.35	216.00		
	KNV 1st Stage								
	Main Road		2	95.00		1.35	256.50		
	1st Cross Road		2	60.00		1.35	162.00		
	Blue Moon Garden								
	Main Road		2	55.00		1.35	148.50		
							783.00	50.11	**39238.00**
	Basic Rate	46.40							
	Area Weightage @ 8%	3.71							
	Total	**50.11**							
3	Refixing stone slabs of drains and pointing in C.M (1:3) **Page No. 28 / Item No. 5.33/ PWD SR 2013-14**	Sqm							
			Qty Vide Item No. 2				**783.00**	70.04	**54840.00**
	Basic Rate	64.85							

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Executive Engineer
Vidyaranyapura Division
Yelahanka Zone, B.B.M.P.
Bangalore-560 092

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Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Area Weightage @ 8%	5.19							
	Total	**70.04**							
4	KSRRB 300-45: Scarifying stone metal crust 50mm to 100mm thick with pick axes along with premix carpet/surface dressing and stacking of old serviceable materials within a lead of 100 meters by manual means including cost of all labour charges complete as per specifications. MORTH chapter 3, **Page No. 158 / Item No. 19.51/ PWD SR 2013-14**	Sqm							
	Zee School Road		1	160.00	4.00		640.00		
	KNV 1st Stage								
	Main Road		1	183.00	3.50		640.50		
	1st Cross Road		1	133.00	3.50		465.50		
	Blue Moon Garden								
	Main Road		1	115.00	3.50		402.50		
							2148.50	40.50	**87014.00**
	Basic Rate	37.50							
	Area Weightage @ 8%	3.00							
	Total	**40.50**							
5	KSRRB M400-17. Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications **Page No.170 / Item No. 20.18 PWD SR - 2013-14.**	Cum							
	UGD Cutting								
	Zee School Road		1	160.00	0.90	0.20	28.80		
	KNV 1st Stage								
	Main Road		1	183.00	0.90	0.20	32.94		
	1st Cross Road		1	133.00	0.90	0.20	23.94		
	Blue Moon Garden								
	Main Road		1	115.00	0.90	0.20	20.70		
	Road Surface								
	Zee School Road		1	160.00	4.50	0.20	144.00		
	KNV 1st Stage								
	Main Road		1	183.00	5.00	0.20	183.00		
	1st Cross Road		1	133.00	4.50	0.15	89.78		
	Blue Moon Garden								
	Main Road		1	115.00	4.50	0.20	103.50		
							626.66	1121.04	**702505.00**
	Basic Rate	1038.00							
	Area Weightage @ 8%	83.04							
	Total	**1121.04**							

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Executive Engineer
Byatarayanapura Division
Yelahanka Zone, B.B.M.P.
Bangalore - 560 092

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	KSRRB 500-1.1 : Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire bushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification No. 500-1.3 **Page No. 175 / Item No. 21.1 PWDSR 2013-14**	Sqm							
	Zee School Road		1	160.00	4.50		720.00		
	KNV 1st Stage								
	Main Road		1	183.00	5.00		915.00		
	1st Cross Road		1	133.00	4.50		598.50		
	Blue Moon Garden								
	Main Road		1	115.00	4.50		517.50		
							2751.00	10.53	**28968.00**
	Basic Rate	9.75							
	Area Weightage @ 8%	0.78							
	Total	**10.53**							
7	KSRRB M500-6: Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH specification NO. 502, **Page No. 175 / Item No. 21.6 / PWD SR 2013-14**	Sqm							
			Qty Vide Item No. 4				2751.00		
							2751.00	44.28	**121814.00**
	Basic Rate	41.00							
	Area Weightage @ 8%	3.28							
	Total	**44.28**							
8	KSRRB M500-18: Providing and laying **semi dense bituminous concrete** 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. **With 80/100 grade bitumen, No. 175/ Item No. 21.20.1/ PWD SR 2013-14**	Cum							
	Zee School Road		1	160.00	4.50	0.025	18.00		
	KNV 1st Stage								
	Main Road		1	183.00	5.00	0.025	22.88		
	1st Cross Road		1	133.00	4.50	0.025	14.96		
	Blue Moon Garden								
	Main Road		1	115.00	4.50	0.025	12.94		

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Executive Engineer
Byatarayanapura Division
Yelahanka Zone, B.B.M.P.

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
							68.78	9631.44	**662402.00**
	Basic Rate	8918.00							
	Area Weightage @ 8%	713.44							
	Total	**9631.44**							
9	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							
			Vide Item No. 1				**533.57**	72.71	**38793.00**
	Basic rate for haulage of materials as per item no.17.4 page 141) Rs. 2.00								
	Average weight of earth 1.28 tonne / kg for 2X1.28X2.00=5.12	5.12							
	Add loading and unloading Vide item no.17.1 P.no.141	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	**72.71**							
10	Sub Total								**1783979.00**
11	KRIDL Charges @ 11%								**196238.00**
12	Third Party Inspection Charges @ 1%								**17840.00**
13	Miscellaneous and other Charges	L/S							**943.00**
								Total	**1999000.00**

(Rs. Ninteen Lakhs Ninety Nine Thousand Only)

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2013-14.
3 This work included under 2013-14 POW Grant.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Executive Engineer
Byatarayanapura Division
Yelahanka Zone, B.B.M.P.
Bangalore - 560 092

19.99 lakhs
Revised estimate for this recent work
p-1771
170, D: 05-03-14